

Amendments to the Specification

Please replace the last full paragraph on page 9, starting at line 13, with the following paragraph:

In this respect, it is difficult to exactly obtain the turning force F_T , and it is actually necessary to take a load shift during turning, a slip angle, or a structure of a suspension into consideration. Accordingly, in another embodiment of the present invention, it is possible to replace the turning force F_T by lateral directional acceleration A_L or to perform linear replacement. In this case, where

$$|\text{driving force } F_D(N) + \text{coefficient } a \times \text{lateral directional acceleration } A_L(m/sec^2)| \geq \text{threshold } F_\theta \quad (6)$$

is satisfied (that is, in a condition of the hatched region D_2 in Fig. 4 2), no judgment of decrease in tire air-pressure is performed. Here, the driving force F_D and the lateral directional acceleration A_L can be obtained similar to the above-mentioned embodiment.